

# Safety (MSDS) data for 1,8-cineole



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## General

Synonyms: limonene oxide, cajeputol, 1,8-epoxy-p-menthane, 1,8-oxido-p-menthane, eucalyptol, eucalyptole, 1,3,3-trimethyl-2-oxabicyclo[2,2,2]octane, cineol, cineole

Use: flavouring, perfumery, constituent of eucalyptus oil

Molecular formula: C<sub>10</sub>H<sub>18</sub>O

CAS No: 470-82-6

EC No:

## Physical data

Appearance: colourless liquid

Melting point: 2 C

Boiling point: 176 - 177 C

Vapour density:

Vapour pressure:

Specific gravity: 0.922

Flash point: 49 C

Explosion limits:

Autoignition temperature:

Water solubility: insoluble

## Stability

Stable. Flammable. Incompatible with acids, bases, strong oxidizing agents.

## Toxicology

Harmful by ingestion. May be harmful by inhalation or through skin contact.  
May act as an irritant.

### Toxicity data

(The meaning of any abbreviations which appear in this section is given [here.](#))

ORL-RAT LD50 2480 mg kg<sup>-1</sup>

SCU-MUS LD50 50 mg kg<sup>-1</sup>

IMS-GPG LDLO 2250 mg kg<sup>-1</sup>

SCU-DOG LDLO 1500 mg kg<sup>-1</sup>

### **Risk phrases**

(The meaning of any risk phrases which appear in this section is given [here.](#))

R10 R22.

## **Transport information**

(The meaning of any UN hazard codes which appear in this section is given [here.](#))

UN No 1993. Hazard class 3. Packing group III.

## **Personal protection**

Safety glasses, adequate ventilation.

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